

# INTERNATIONAL SEARCH REPORT

Int. Application No  
PCT/IB 03/50032

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 G11B7/00 G11B7/24

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G11B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data, INSPEC, IBM-TDB

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 949 613 A (TEIJIN LTD) 13 October 1999 (1999-10-13) the whole document	1, 2, 4, 6-10
X	WO 00 63899 A (CHIBA KIYOSHI ; TOMIE TAKASHI (JP); TEIJIN LTD (JP)) 26 October 2000 (2000-10-26) abstract	1, 2, 4, 6-10
X	PATENT ABSTRACTS OF JAPAN vol. 016, no. 527 (P-1447), 29 October 1992 (1992-10-29) -& JP 04 195831 A (HITACHI LTD), 15 July 1992 (1992-07-15) abstract	1, 3, 5
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
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- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- \*G\* document member of the same patent family

Date of the actual completion of the international search

25 March 2004

Date of mailing of the international search report

03/05/2004

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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A	JP 2000 322740 A (RICOH CO LTD) 24 November 2000 (2000-11-24) -& US 6 548 137 B2 (ABE MICHIHARU ET AL) 15 April 2003 (2003-04-15) column 2, line 19 -column 5, line 33; figure 1	1-10
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A	<p>-----</p> PATENT ABSTRACTS OF JAPAN vol. 015, no. 268 (P-1224), 8 July 1991 (1991-07-08) -& JP 03 088144 A (ASAHI CHEM IND CO LTD), 12 April 1991 (1991-04-12) abstract <p>-----</p>	1-10
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Information on patent family members

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PCT/IB 03/50032

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